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PATENT

Attorney Docket No. F-5629 (CORK 100 US)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

William H. Cork, et al.

Serial No.: 10/031,112

Filed: January 11, 2002

Group Art No.:

Examiner:

For: MEDICAL SYSTEM, METHOD AND  
APPARATUS EMPLOYING MEMSCommissioner for Patents  
U.S. Patent & Trademark Office  
Washington, D.C. 20231

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NAME Jeannie Rapstad

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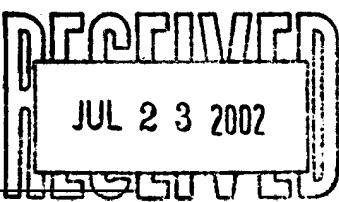
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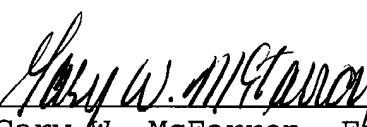
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Respectfully submitted,

Date: July 2, 2002

By: 

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# FIG. I

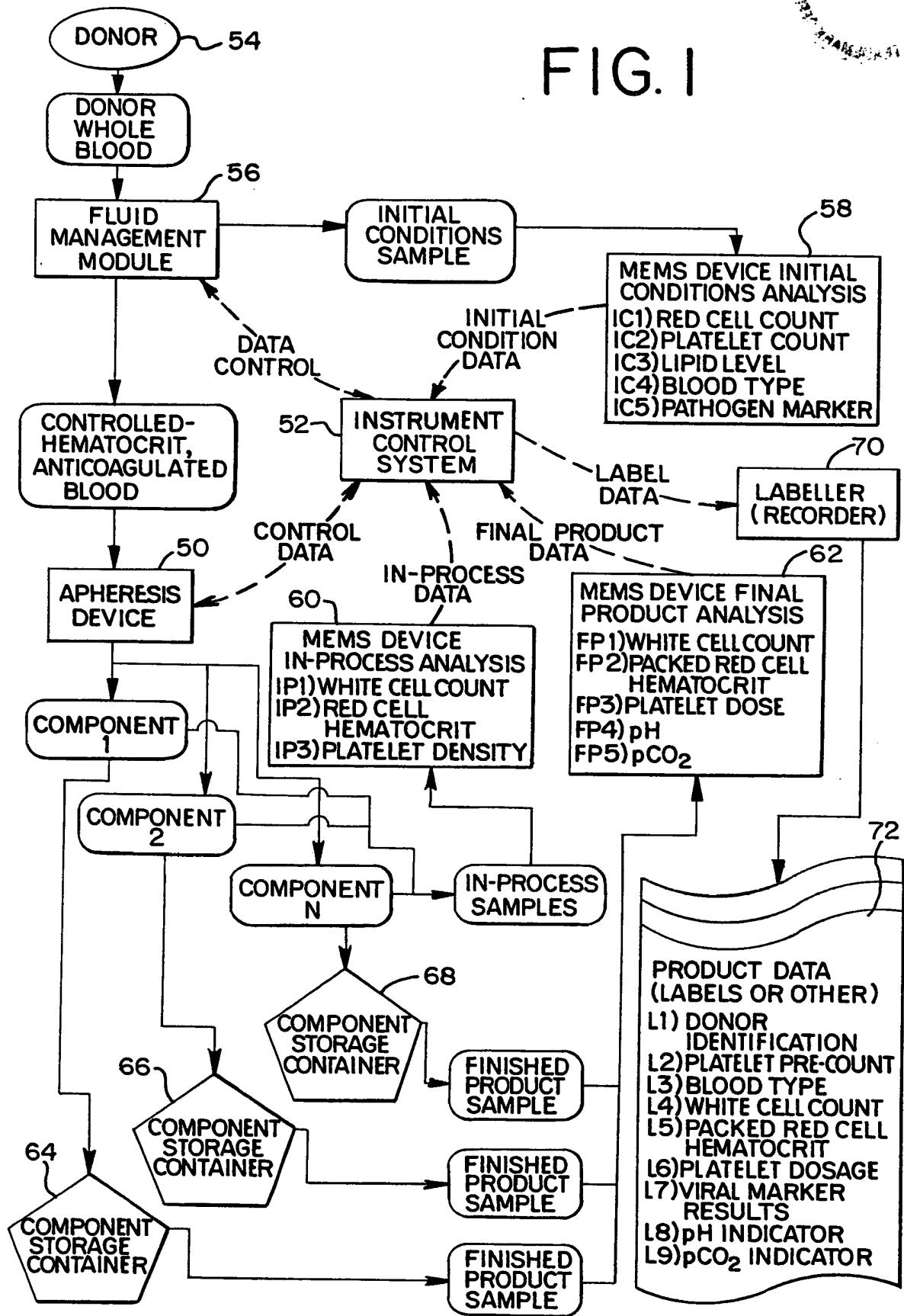
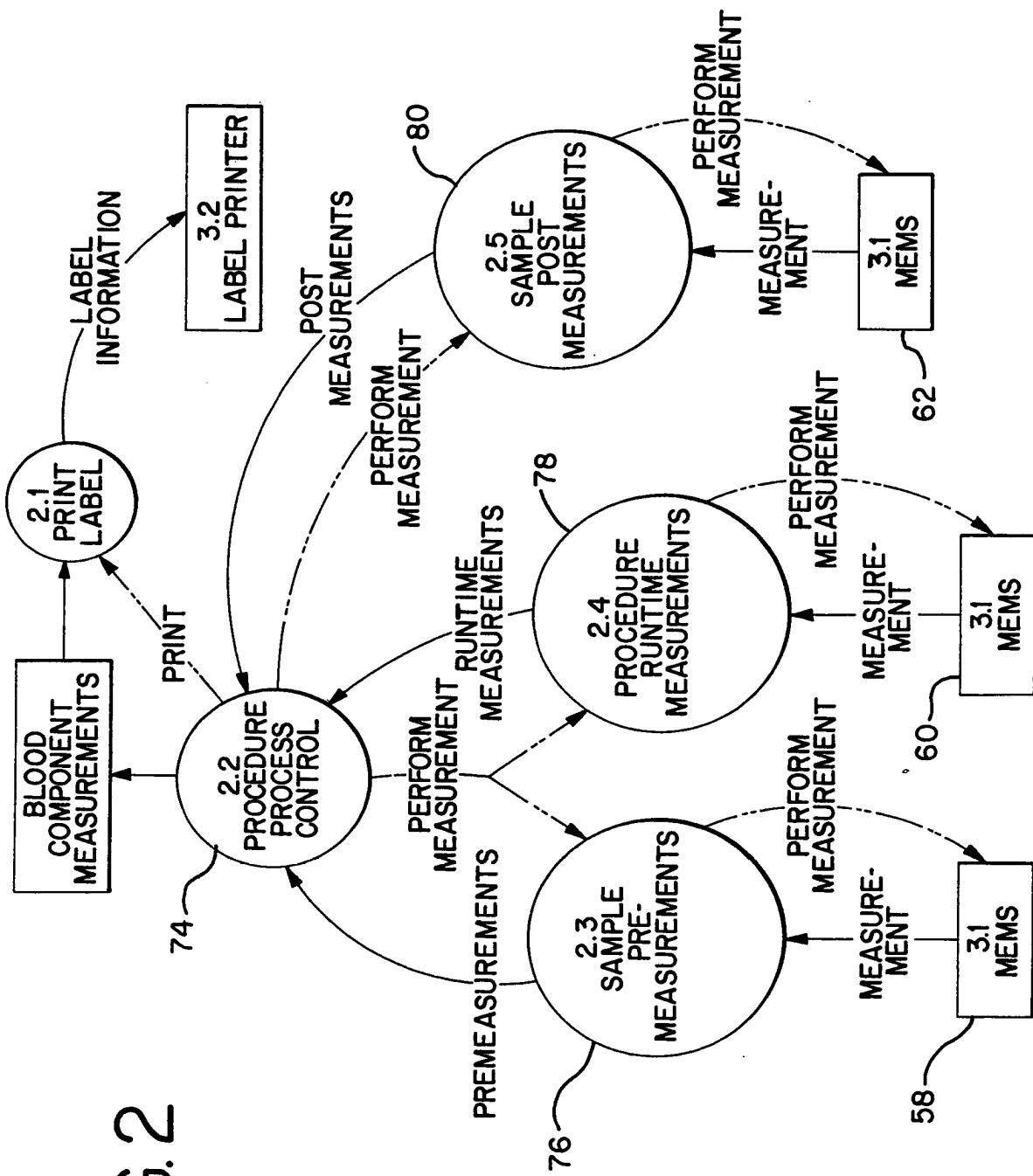


FIG. 2



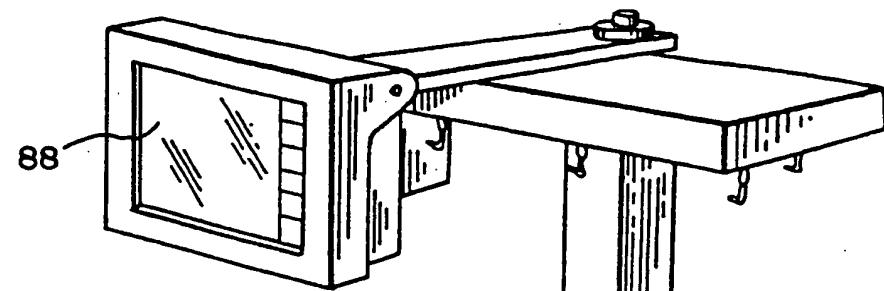


FIG. 3

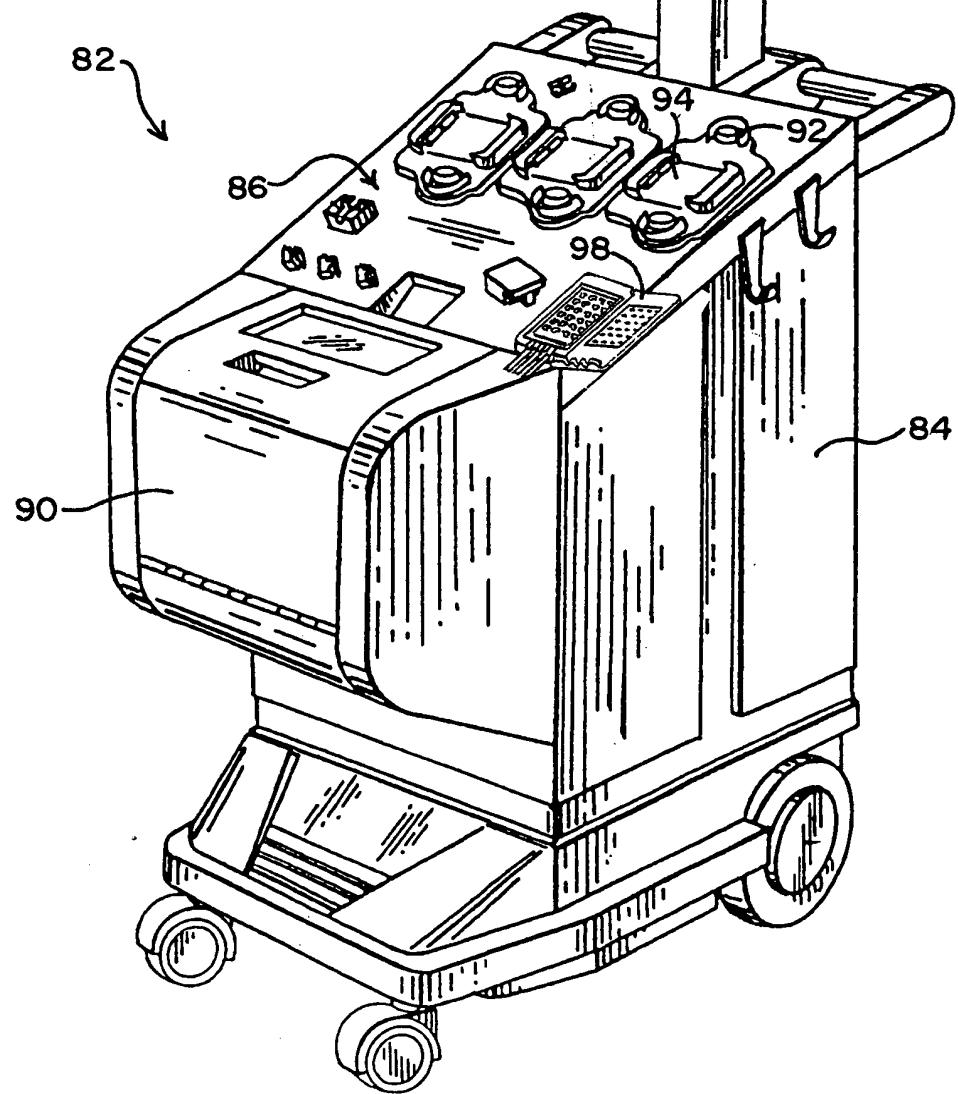
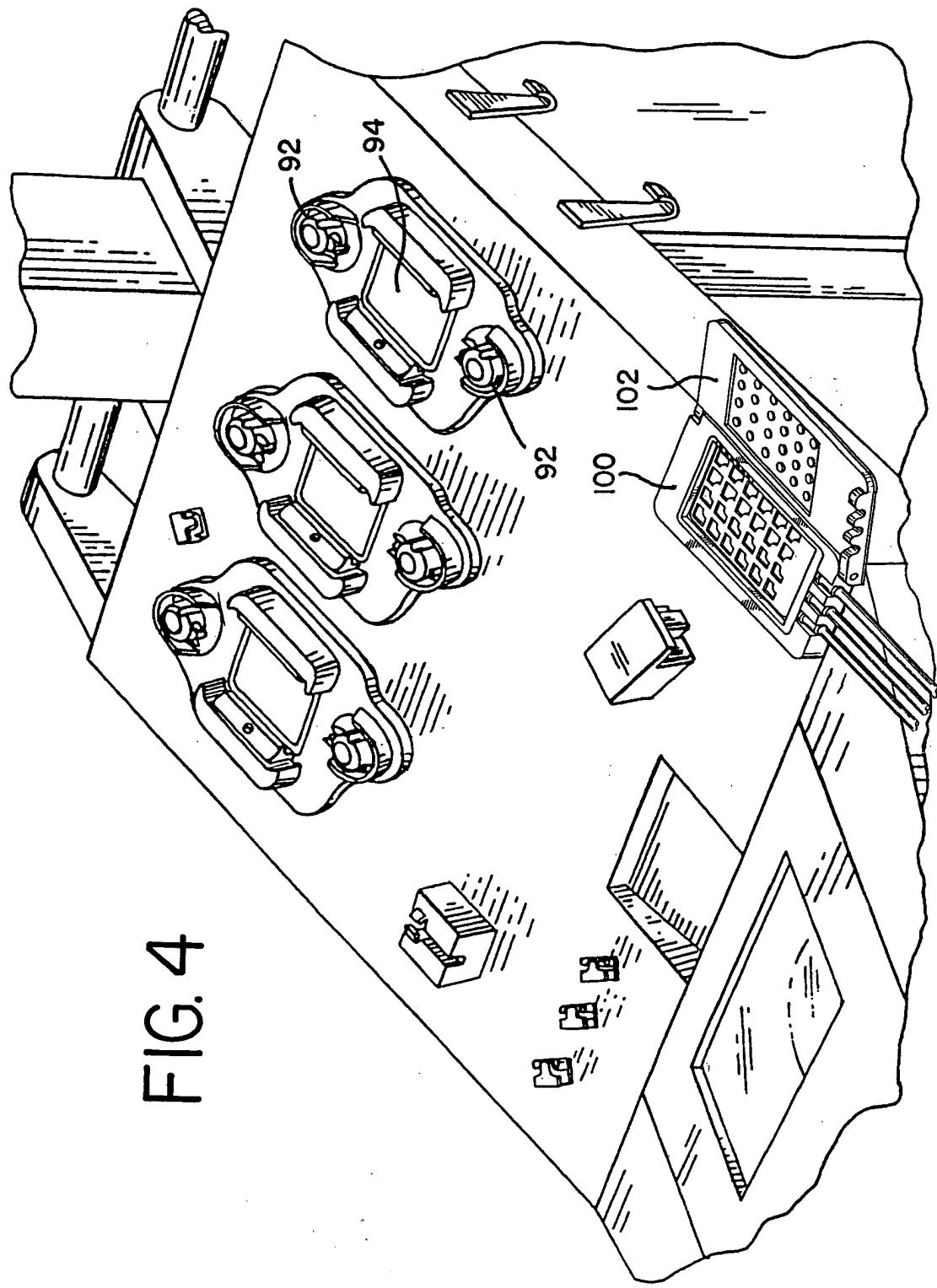


FIG. 4



**FIG. 5**

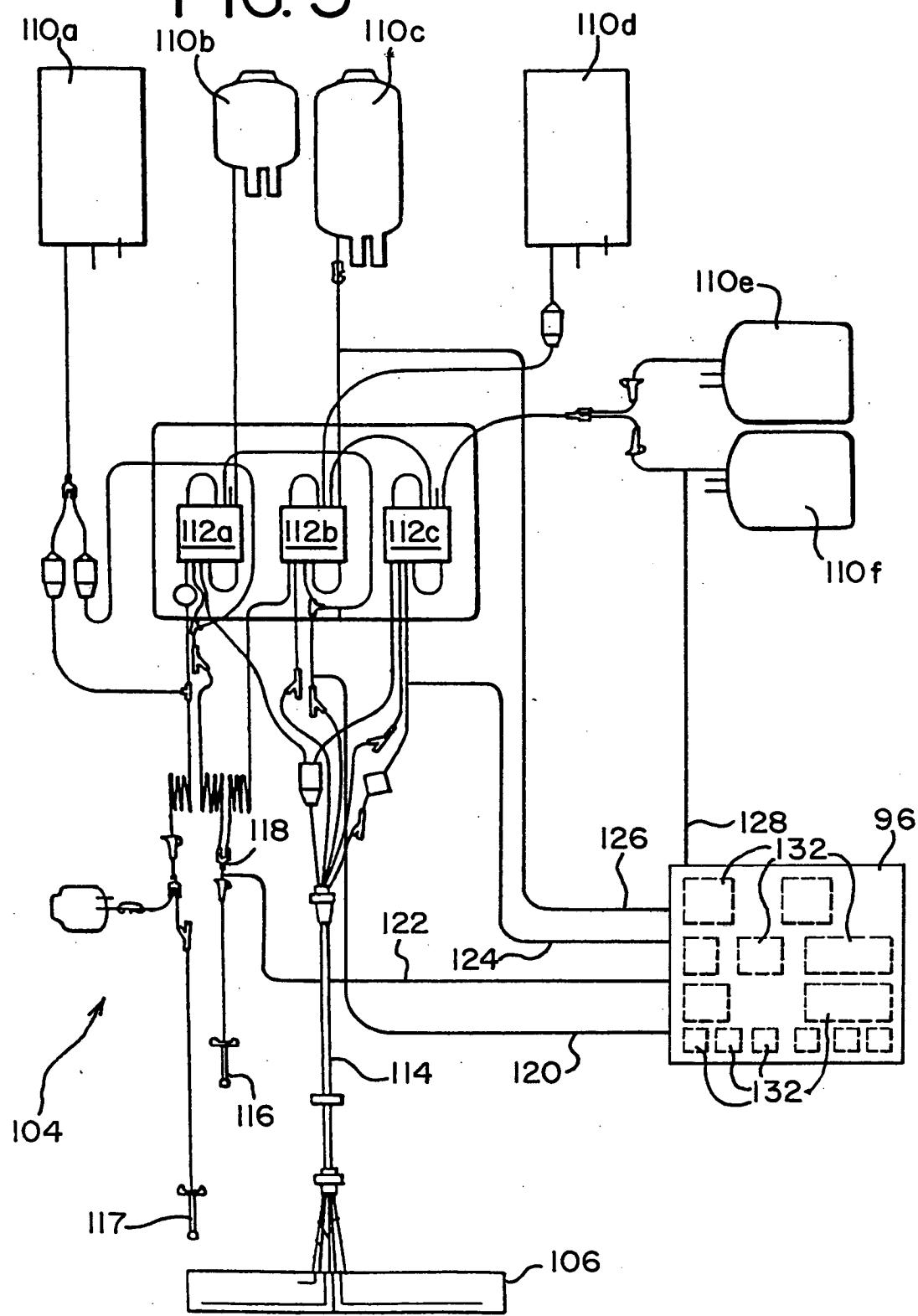


FIG. 6

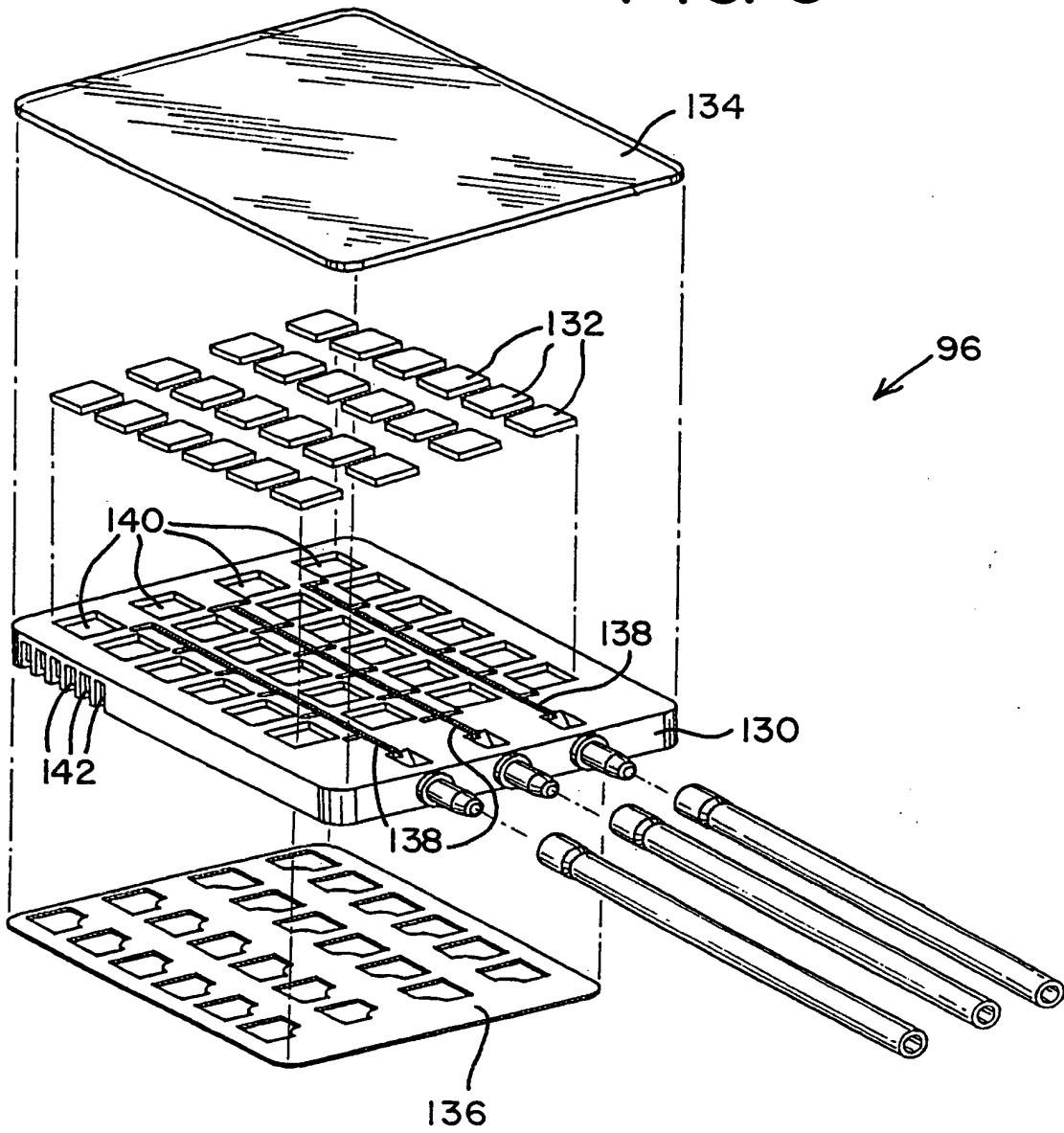


FIG. 7A

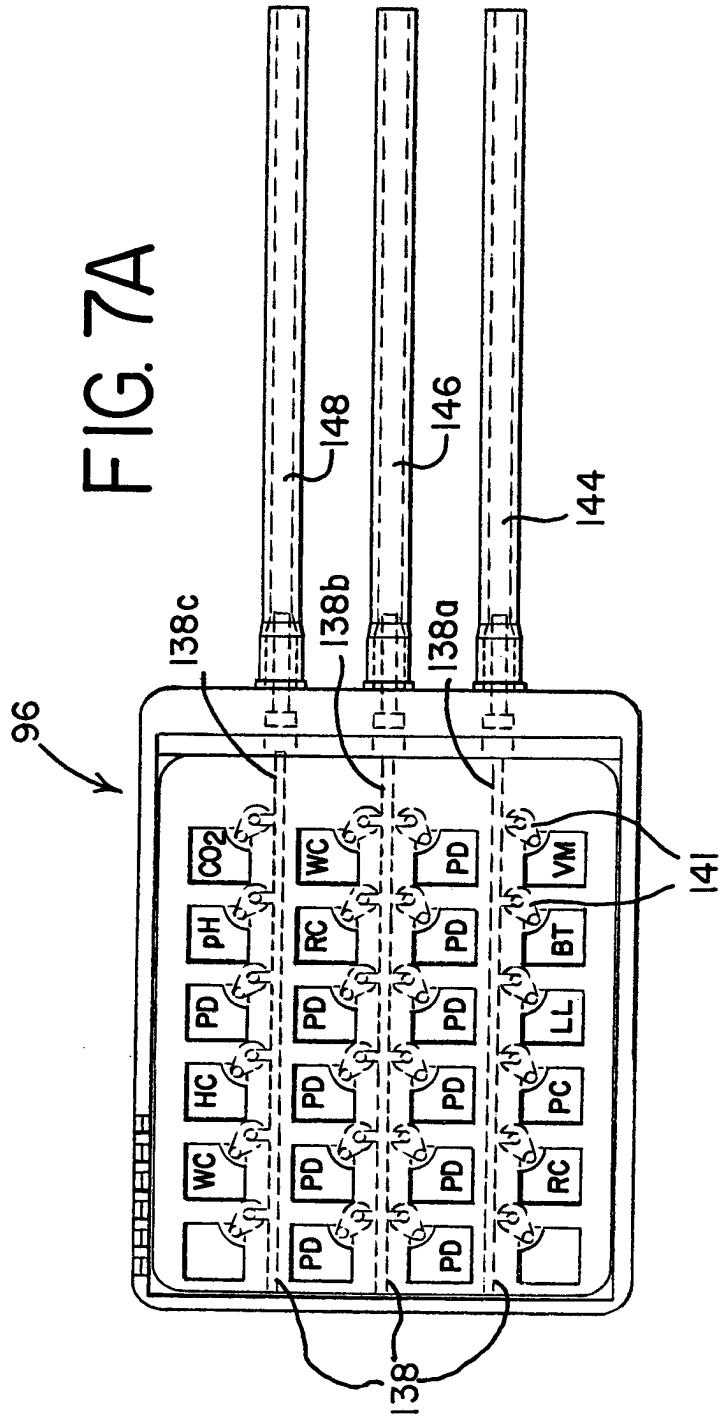


FIG. 7B

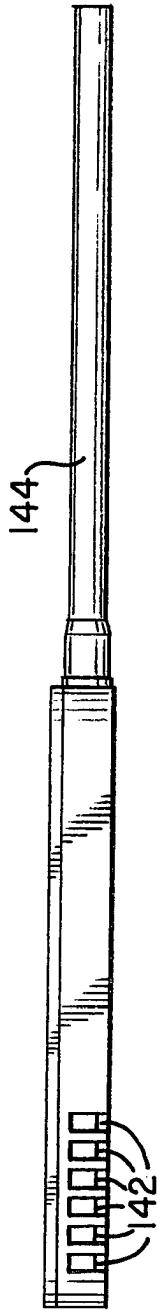


FIG. 8

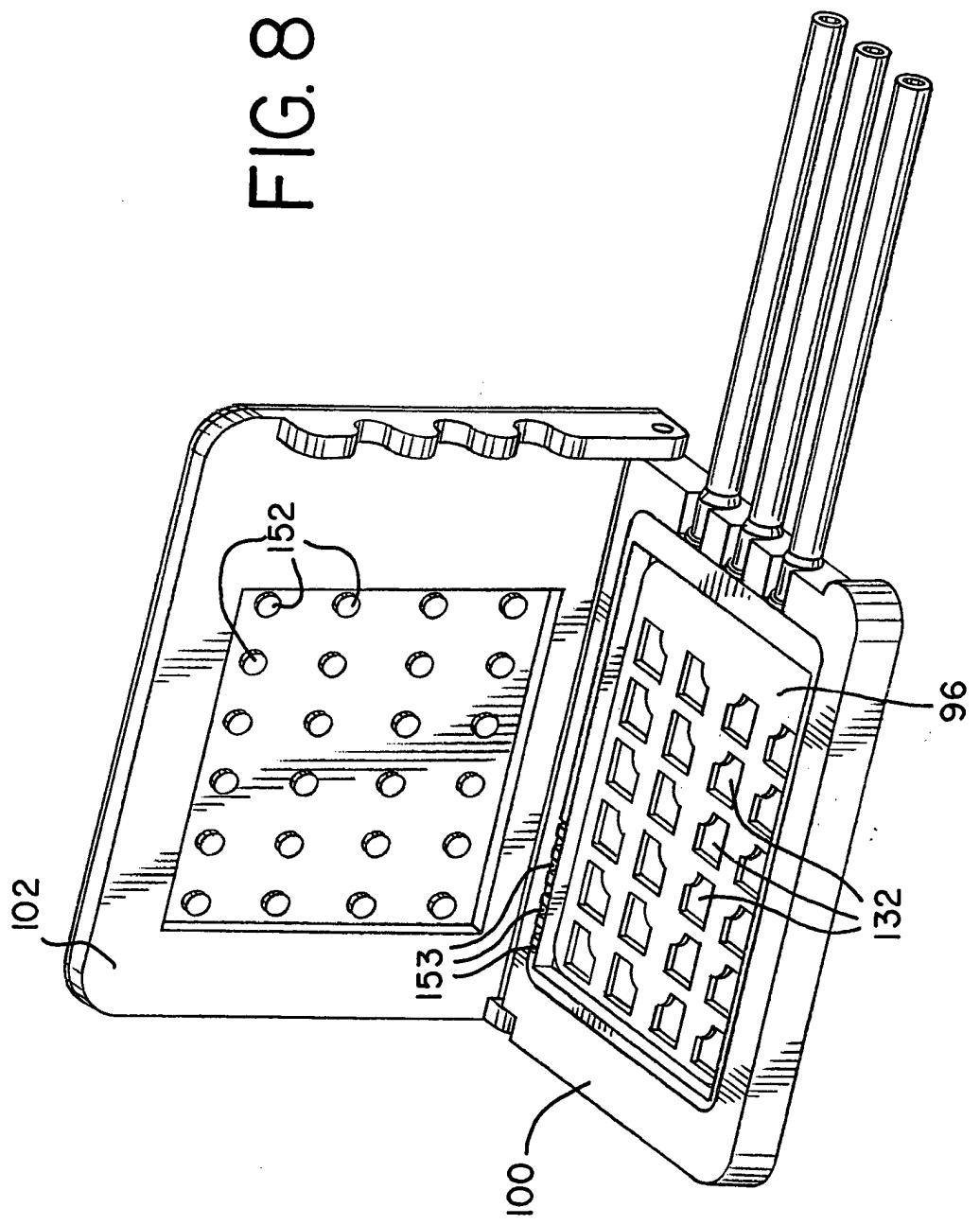


FIG. 9

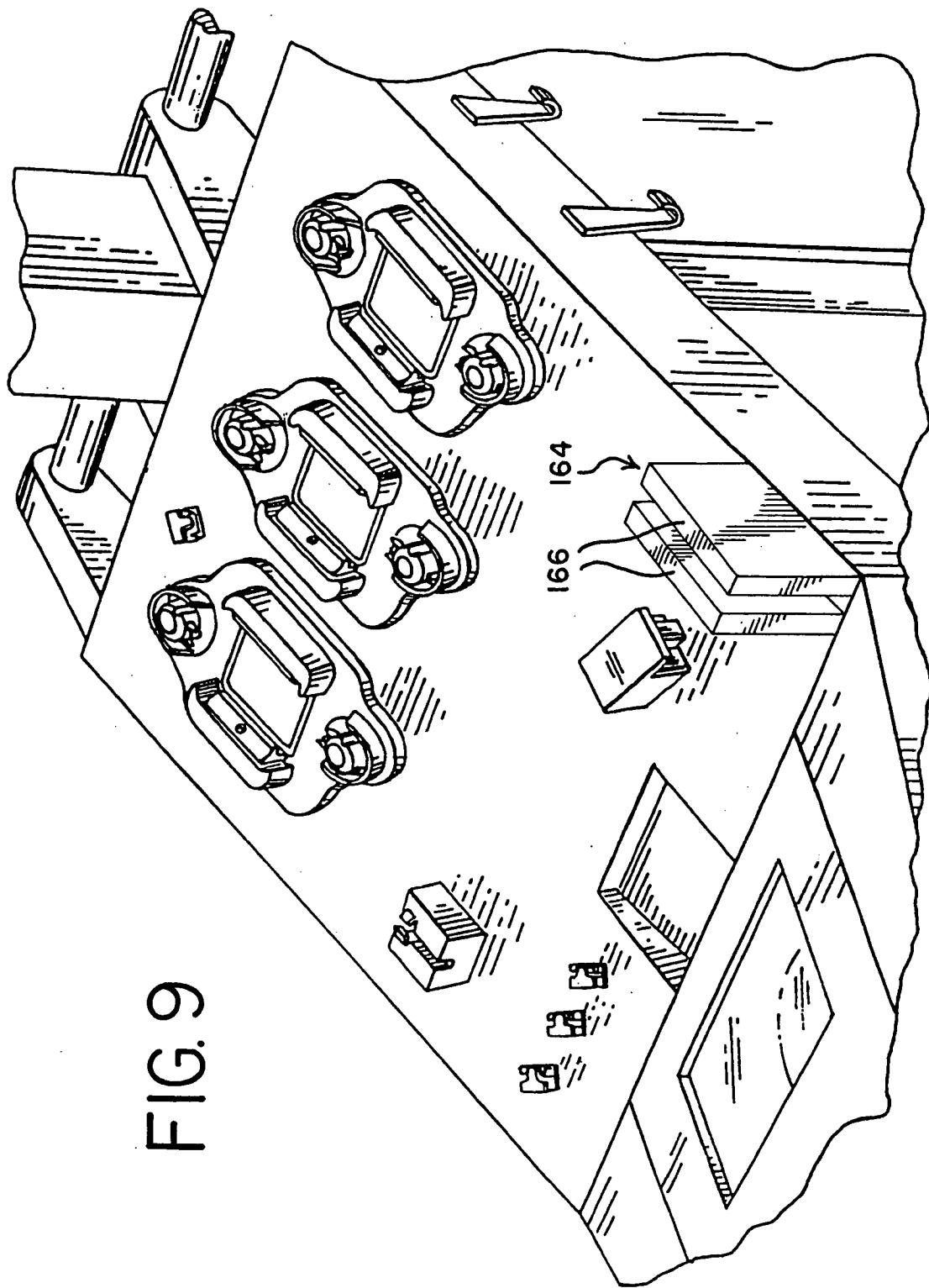


FIG. 10

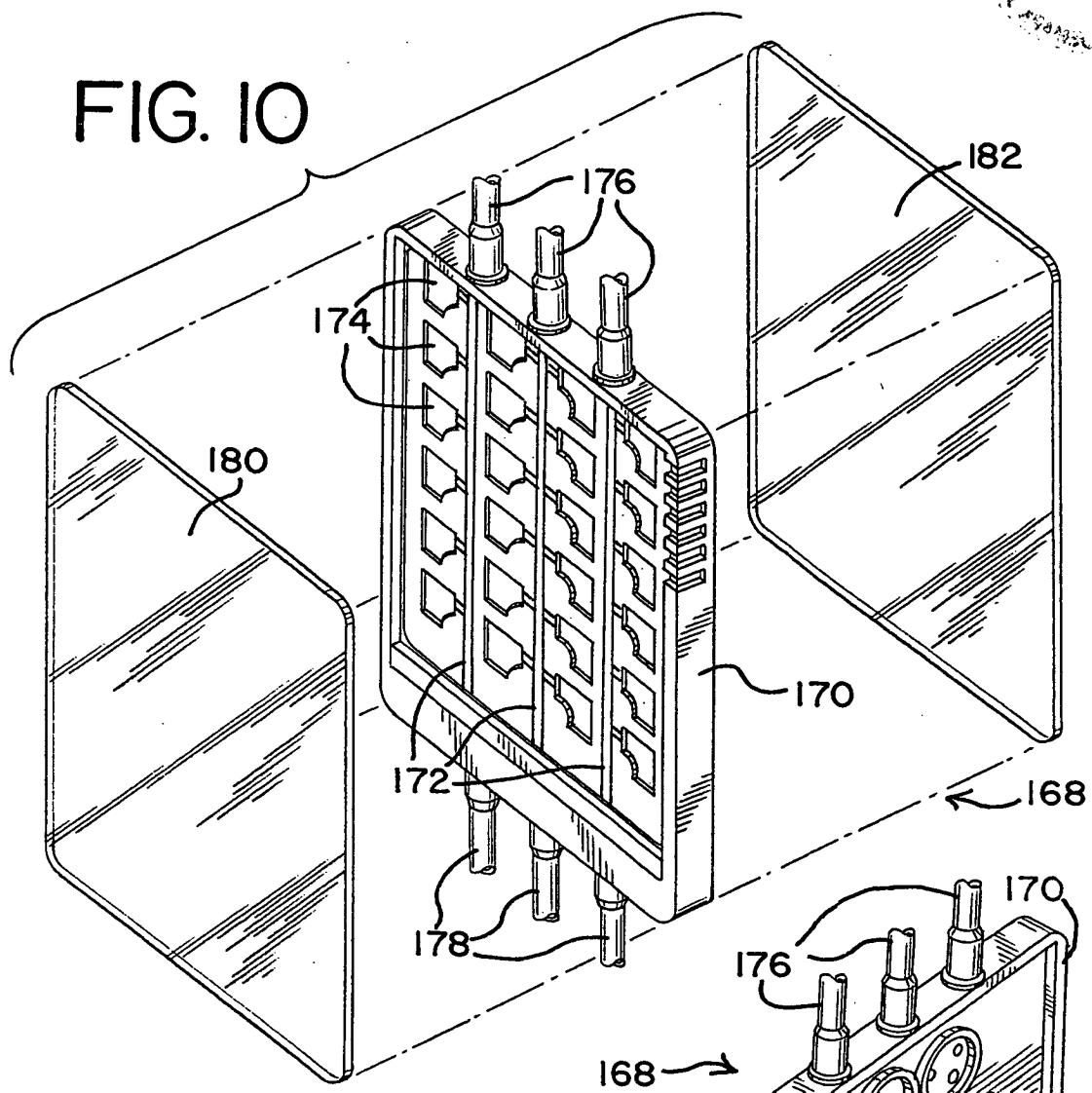


FIG. II

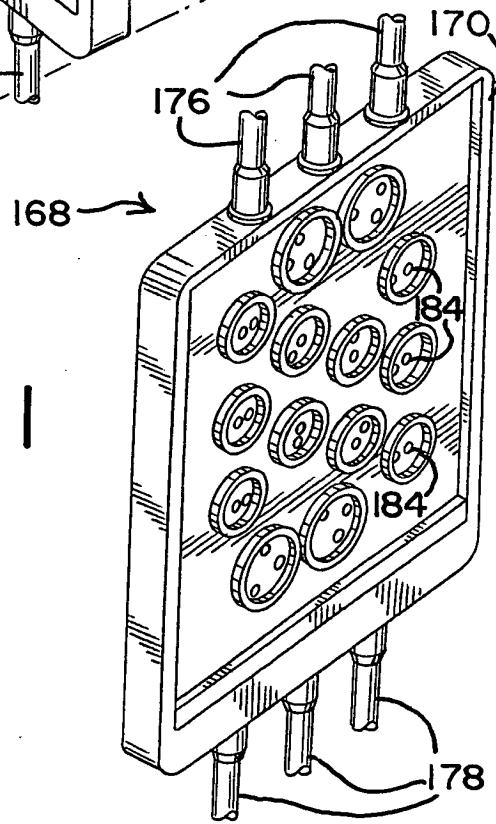
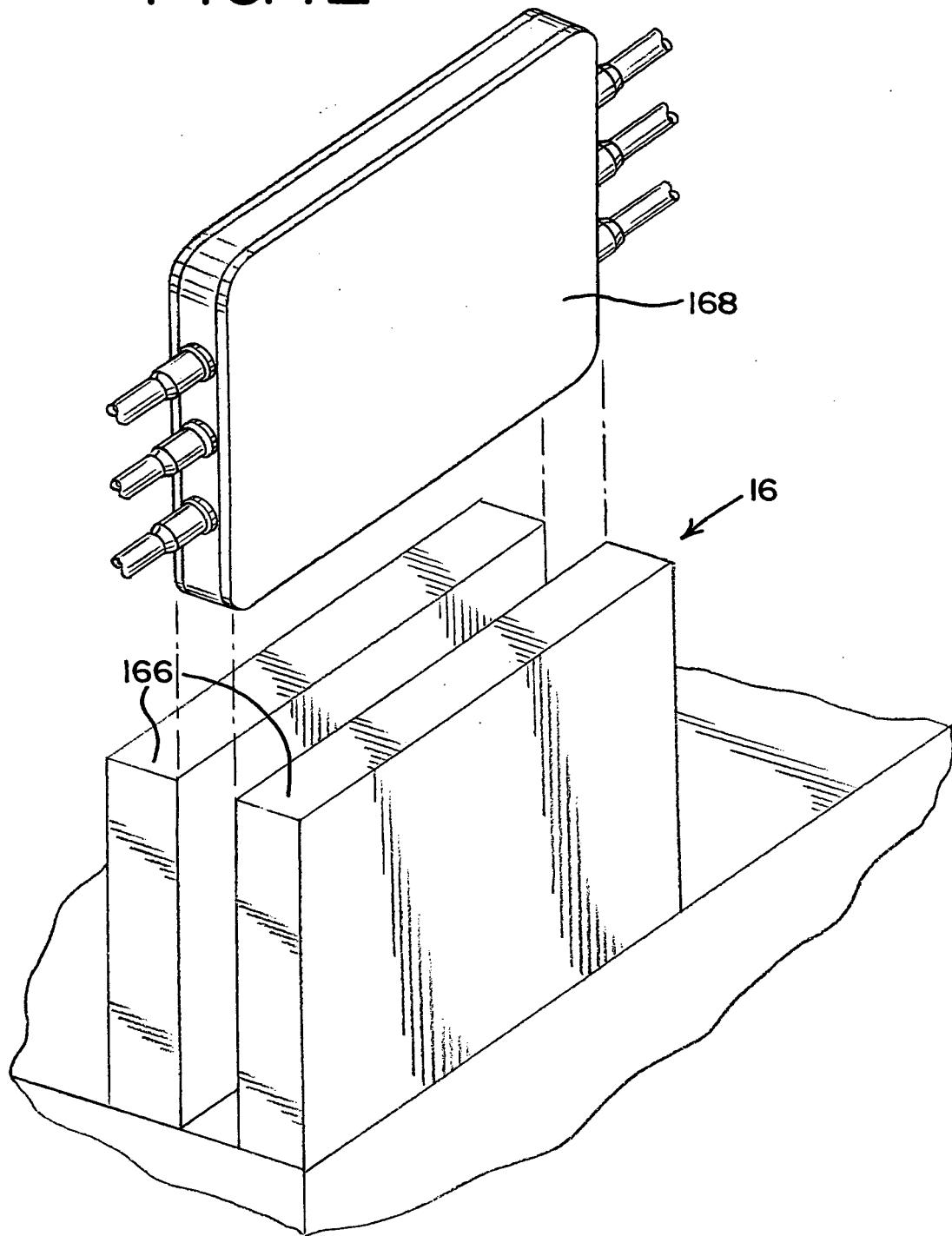
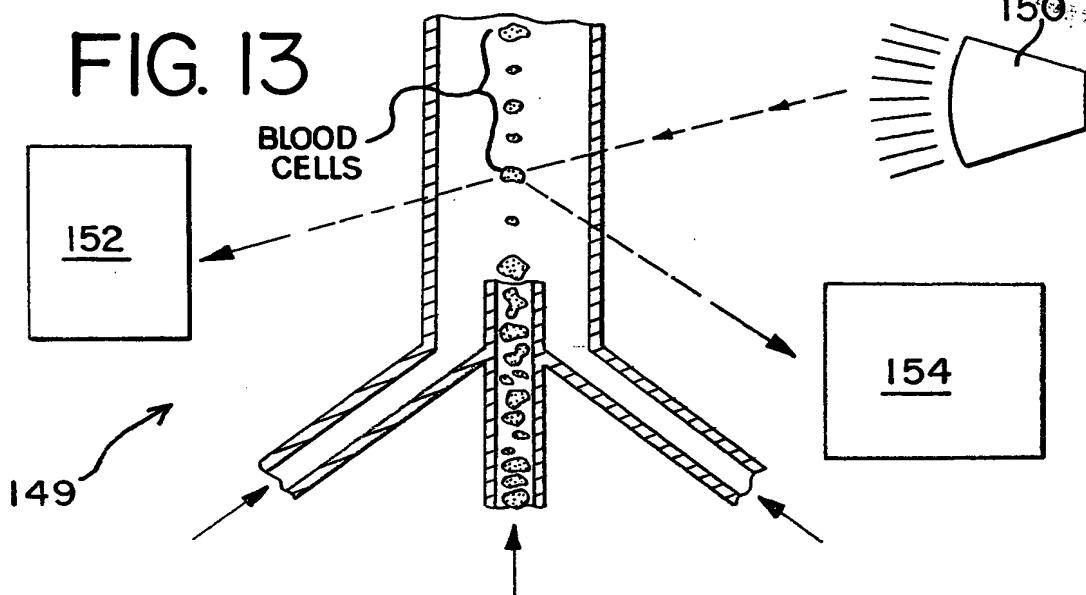


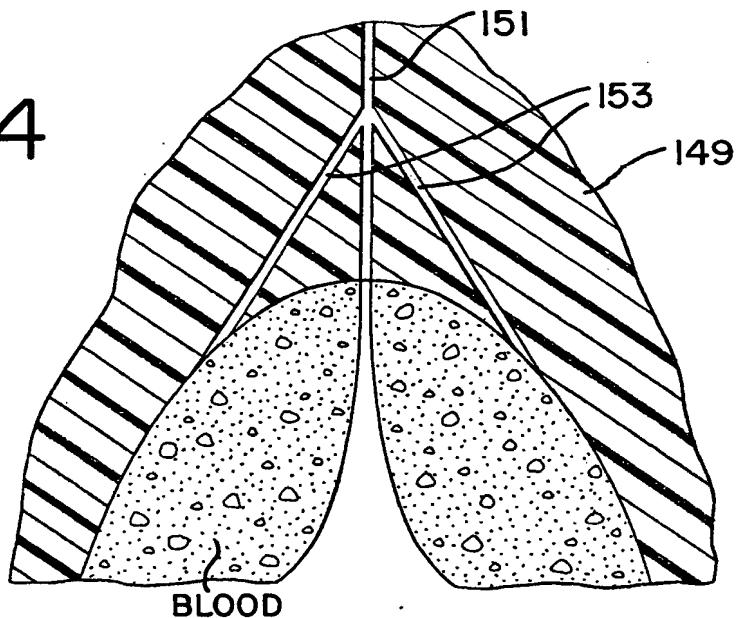
FIG. 12



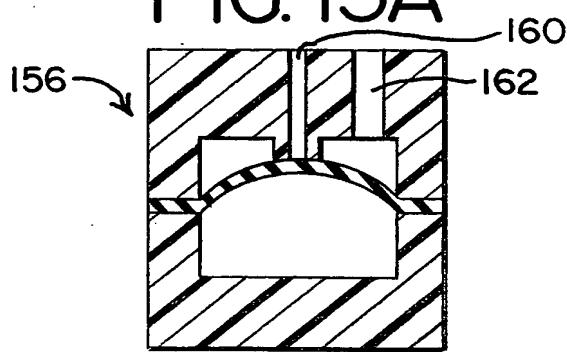
**FIG. 13**



**FIG. 14**



**FIG. 15A**



**FIG. 15B**

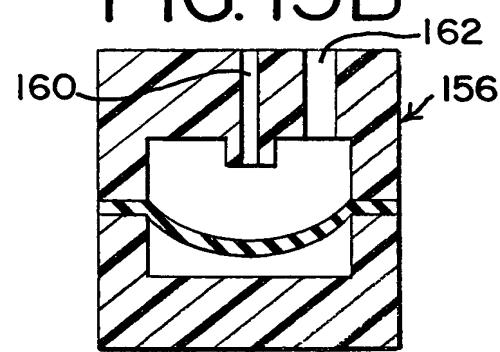


FIG. 16

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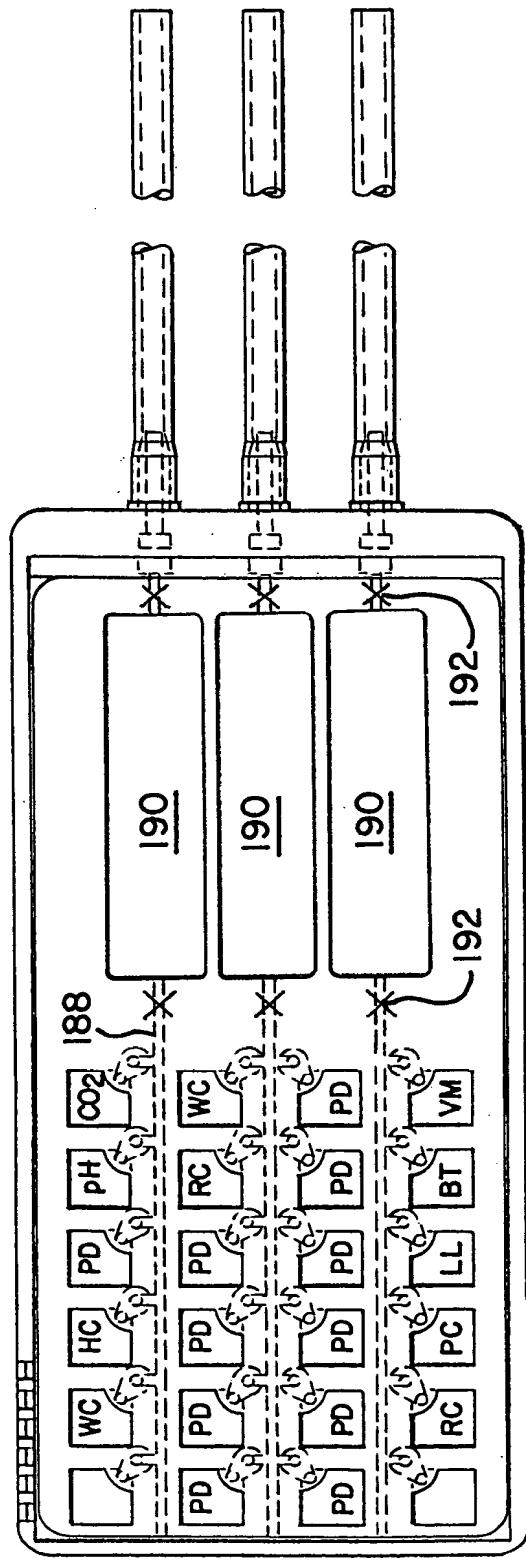
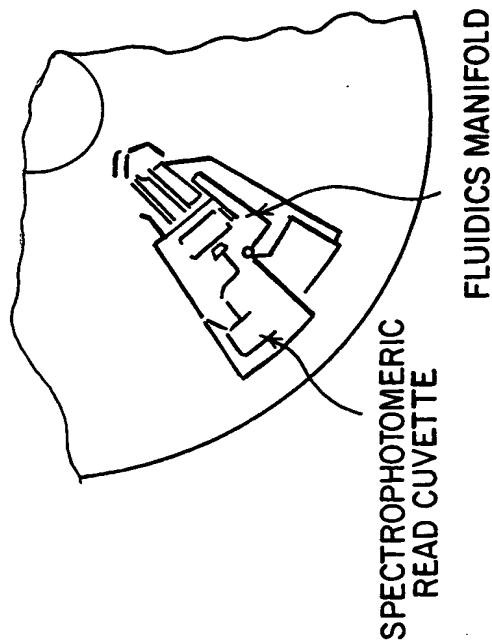
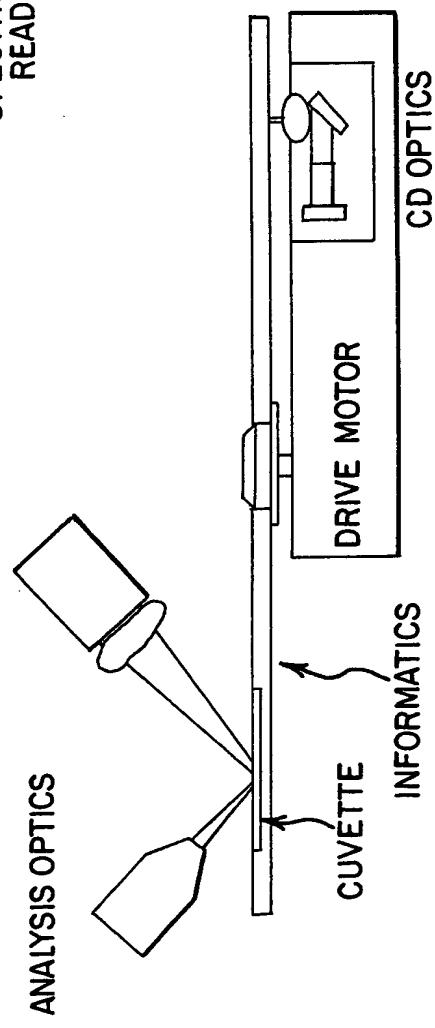


FIG. 17a



FLUIDICS MANIFOLD

FIG. 17b



ANALYSIS OPTICS

CD OPTICS

DRIVE MOTOR

INFORMATICS

CUVETTE

FIG. 18A

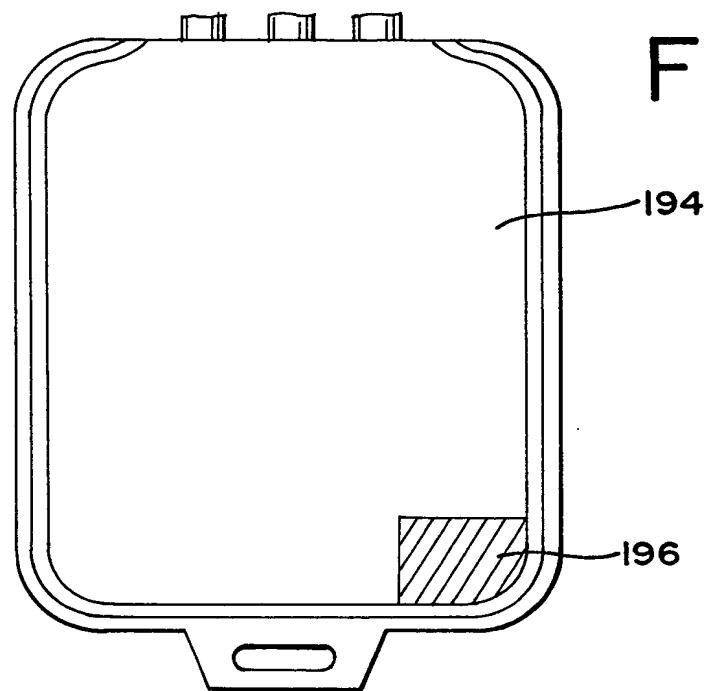


FIG. 18B

